

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070221\
 Data File : VL037277.D
 Acq On : 2 Jul 2021 16:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 6:44:38 PM

Quant Time: Jul 03 08:08:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1318245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	3860058	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3689854m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2852886	10.20	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1767736	7.711 ppbv	100
3) Chlorodifluoromethane	3.00	51	2289651	8.932 ppbv	98
4) Chloromethane	3.15	50	775381	9.077 ppbv	98
5) Vinyl Chloride	3.27	62	829957	8.840 ppbv	97
6) Bromomethane	3.48	94	471808	8.423 ppbv	96
7) Chloroethane	3.57	64	310438	9.250 ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2121866	9.022 ppbv	98
9) Propene	3.02	41	709662	8.659 ppbv	99
10) Heptane	8.14	43	1877492	9.459 ppbv	99
11) Trichlorofluoromethane	3.96	101	2371489	9.694 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1698406	9.849 ppbv	100
13) Ethanol	3.62	45	104623m	8.252 ppbv	
14) Bromoethene	3.75	108	678930	9.433 ppbv	99
15) Acetone	3.86	43	1188567	7.995 ppbv	96
16) 1,3-Butadiene	3.34	39	851302	9.687 ppbv	97
17) tert-Butyl alcohol	4.30	59	1395904	10.160 ppbv	99
18) 1,1-Dichloroethene	4.30	96	727859	9.525 ppbv	97
19) Isopropyl Alcohol	3.98	45	832492	9.246 ppbv	100
20) Methylene Chloride	4.36	84	639806	7.189 ppbv	98
21) Allyl Chloride	4.43	41	1058511	9.447 ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	764785	10.114 ppbv	99
23) Vinyl Acetate	5.09	43	1823327	8.554 ppbv	98
24) 1,1-Dichloroethane	5.03	63	1561160	9.097 ppbv	100
25) Ethyl Acetate	5.69	43	2965468	9.215 ppbv	99
26) Hexane	5.70	57	1410417	8.671 ppbv	99
27) Carbon Disulfide	4.56	76	1743729	10.942 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1584877	8.105 ppbv	99
29) Chloroform	5.77	83	2354184	9.370 ppbv	97
30) Cyclohexane	7.15	84	1229523	9.072 ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1409200	9.428 ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2437922	9.067 ppbv	99
34) 2-Butanone	5.26	43	1358479	9.049 ppbv	98
35) Carbon Tetrachloride	7.04	117	2662538	10.284 ppbv	98
36) Benzene	6.91	78	2897417	9.283 ppbv	99
37) 1,2-Dichloroethane	6.33	62	1768232	9.752 ppbv	99
38) Trichloroethene	7.86	130	1217125	8.203 ppbv	99
39) 1,2-Dichloropropane	7.64	63	1091986	9.415 ppbv	97
40) 1,4-Dioxane	7.86	88	249596	7.847 ppbv	# 1
41) Tetrahydrofuran	6.07	42	654281	9.383 ppbv	97
42) Bromodichloromethane	7.82	83	2552147	10.202 ppbv	100
43) Methyl Methacrylate	8.03	69	1052823	9.767 ppbv	97

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44) 2,2,4-Trimethylpentane	7.89	57	4850173	9.228	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	764528	8.039	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	986502	7.582	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1243054	9.394	ppbv	99
48) Dibromochloromethane	10.33	129	2263418	10.836	ppbv	99
49) Bromoform	13.07	173	1792613	11.519	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2123874	10.300	ppbv	99
51) 2-Hexanone	10.16	43	1074813	10.713	ppbv #	98
52) Tetrachloroethene	11.25	164	1181696	8.147	ppbv	95
53) Toluene	9.83	91	3469486	9.305	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1854125	9.750	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1544141	9.572	ppbv	100
57) Chlorobenzene	12.17	112	2672122	8.930	ppbv	98
58) Ethyl Benzene	12.73	91	4700100	9.253	ppbv	99
59) m/p-Xylene	13.02	91	7999057m	18.582	ppbv	
60) o-Xylene	13.72	91	3825222	9.332	ppbv	99
61) Styrene	13.55	104	2102218	9.937	ppbv	98
62) Isopropylbenzene	14.69	105	5345441	9.171	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2550530	9.345	ppbv	100
64) n-propylbenzene	15.58	120	1392741	9.542	ppbv	91
65) tert-Butylbenzene	16.77	119	4820091	9.324	ppbv	98
66) Benzyl Chloride	17.02	91	186561	8.516	ppbv	95
67) sec-Butylbenzene	17.32	105	6487438	9.411	ppbv	99
69) p-Isopropyltoluene	17.68	119	5604574	9.626	ppbv	99
70) n-Butylbenzene	18.57	91	5332888	9.896	ppbv	98
71) 2-Chlorotoluene	15.48	91	3865361	9.486	ppbv	98
72) 4-Ethyltoluene	15.86	105	4633992	9.952	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4193987	9.318	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4388027	9.462	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	2615280	9.275	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2509014	8.908	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2512948	9.212	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1661904	7.086	ppbv	100
79) Naphthalene	22.23	128	3153963	8.157	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	817038	8.057	ppbv	94
81) 1,2,4-Trichlorobenzene	21.96	180	1824251	8.176	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

